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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/694,344	10/24/2000	Seishi Ejiri	1232-4303US2	9182

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EXAMINER

MANIWANG, JOSEPH R

ART UNIT

PAPER NUMBER

2142

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4

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/694,344	EJIRI, SEISHI
	Examiner Joseph R Maniwang	Art Unit 2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 10/24/00.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 18-54 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 18-54 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 24 October 2000 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.
 

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. 08/733,493.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>3</u>	6) <input type="checkbox"/> Other: _____

### **DETAILED ACTION**

Preliminary amendment A, paper #2, received February 26, 2001, has been entered into record.

Claims 1-17 are cancelled.

Claims 18-54 are pending.

#### ***Specification***

The specification is objected to for failing to recite the patent number (U.S. Pat. No. 6,163,800) in the priority claim of first line of specification. Appropriate correction is required.

#### ***Priority***

Acknowledgement is made of applicant's claim for foreign priority under 35 U.S.C. 119 (a)-(d). Application claims priority of Application No. JAPAN 7-271261, filed October 19, 1995.

This application is a continuation of application 08/733,493, filed October 18, 1996, now U.S. Pat. No. 6,163,800.

The effective filing date of the claimed invention is October 19, 1995.

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 18-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gordon et al. (U.S. Pat. No. 4,994,926), hereinafter referred to as Gordon, further in view of Marshall (U.S. Pat. No. 6,396,597), hereinafter referred to as Marshall.

Regarding claims 18-21, 28-31, and 38-41, Gordon disclosed a network of store and forward facilities (SAFF) for communicating fax data between a plurality of clients associated with the SAFF (see column 2, lines 49-66). The network for use in the disclosed invention was described in terms of a locally switched telephone network and a separate long distance network (see column 5, lines 12-30). In such a local network, a SAFF serviced a plurality of receiving fax machines associated with the SAFF through locally switched phone lines. The long distance network was reserved for communications where it was necessary to communicate to a fax machine that was not within the local network serviced by the same SAFF (see column 6, lines 47-59). In this way, it is similar to the network system claimed by the applicant, where there existed two separate lines of data communication, one of a LAN and another separate from the LAN. The SAFF served as both a transmission and a reception means for fax data over either of the networks (see column 6, lines 60-64). Gordon disclosed notification of received data to the intended recipients by the SAFF as claimed (see column 11, lines 18-26 and column 12, lines 45-55). Gordon also disclosed use of a "Delivery Record" which served to notify the originating sender of the delivery of the fax data in the form of fax document. Such notifications occurred upon the delivery of the fax data to the intended client machine (see column 8, lines 18-32). Gordon further disclosed the ability to accumulate such data to deliver as a single fax document, reporting the results

of several delivery attempts. Such reports would be delivered "in bulk" in a single call (see column 9, lines 35-42 and column 10, lines 46-49). Such a mode of notification delivery was disclosed as programmable by the originator SAFF (see column 9, lines 37-40), and Gordon further disclosed that a computer means controlling the SAFF allowed for user intervention in the sequence of automatic actions of the system (see column 5, lines 4-11). Thus, a selection means for such a mode as claimed was disclosed. Gordon also disclosed the ability to indicate a plurality of recipients for the same document (see column 1, lines 23-26, column 3, lines 48-62, and column 14, lines 9-28).

Regarding claims 22-27, 32-37, and 42-47, Gordon disclosed a fax communications system substantially as detailed above. Most important is the disclosed possibility of transmitting a delivery record upon request by the originating sender. This involved a call generated by the transmission side and resulted in a status report for a given message (see column 9, lines 35-42 and lines 53-60). Gordon further disclosed this ability as programmable (see column 9, lines 35-42), and that the disclosed computer means controlling the SAFF allowed for user intervention in the sequence of automatic actions of the system (see column 5, lines 4-11). Thus, a selection means for such a mode as claimed was disclosed.

Regarding claims 48-54, Gordon disclosed the invention as detailed above, and further disclosed a method to handle failed transmission attempts between the reception means and the intended recipient client. Gordon disclosed that when a destination SAFF was unable to connect to the intended recipient machine to send received fax

data, a sequence was performed in which several more delivery attempts were made for a predetermined amount of time (see column 8, lines 33-38). A log file recording the success or failure of such a delivery within the period of time was made, and ultimately, if delivery was unsuccessful after the predetermined time limit, this information was sent to the originating sender. Likewise, the information indicating a successful delivery within a predetermined time limit was also sent to the originating sender if delivery was successful after a predetermined time limit (see column 8, lines 52-56).

While Gordon disclosed the invention substantially as detailed above, Gordon did not disclose the use of a LAN as the local network between a SAFF and the client machines it serviced.

Marshall disclosed a network comprised of a plurality of client computers, a central server computer, and a fax "store-and-forward" (SAFF) server capable of receiving fax data to transmit to the networked client computers. See Abstract. Marshall disclosed the well-known use of computers for sending and receiving fax data (see column 1, lines 20-36). The use of LAN between networked computer systems was also disclosed as well known at the time (see column 1, lines 37-46). Much like the invention disclosed by Gordon, the SAFF received fax data from an outside source and transmitted it to the appropriate clients within the LAN.

Gordon disclosed a SAFF to provide service to fax machines across local networks (see column 5, lines 45-61). Gordon did not specifically mention the use of LAN as a local network, but stated that the term "network" broadly meant the system required to complete a communication between originator and answerer (see column 4,

lines 60-65). In this way, Gordon does not limit the type of network suitable for use in his system, thus allowing for the possible use of a LAN. Marshall disclosed a fax server system similar to the system disclosed by Gordon, using a SAFF to provide service to user terminals on a local network (see column 2, lines 38-42). As Marshall disclosed the known use of computers as fax machines and the use of LAN between such computers (see column 1, lines 20-46), it would have been obvious to modify the invention disclosed by Gordon to use computer terminals in the place of recipient fax machines, and to use LAN between the computer terminals. Marshall disclosed that the use of LAN had become the predominant way of connecting computers together (see column 1, lines 37-40), and the use of fax-compatible computers allowed for greater fax storage and transmission capabilities over a conventional fax machine (see column 1, lines 20-26), a problem which Gordon sought to overcome (see column 1, lines 43-51).

Claims 18-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Teramura et al. ("Experimental Facsimile Communication System on Packet Switched Data Network", IEEE Transactions on Communications, Volume 29, Issue 12, Dec 1981), hereinafter referred to as Teramura, and further in view of Marshall (U.S. Pat. No. 6,396,597), hereinafter referred to as Marshall.

Regarding claims 18-21, 28-31, and 38-41, Teramura disclosed a fax communication system for communications between a public switched telephone network (PSTN) and a packet switched data network (PSDN). The system included a "facsimile communication processor" (FCP), which provided store-and-forward facilities

for the networks (see page 1942, section I). Multiaddress delivery was also disclosed, where a sender could designate a plurality of recipients for a fax (see page 1946, section 2). The FCP was capable of notifying a sender of the status of a sent message in the form of a fax document (see page 1946, section 4). Notification was available in both delayed delivery and multiaddress delivery. The FCP informed the originating sender of a fax message automatically concerning the destination terminal. As delayed delivery concerned a single recipient, it can be assumed that each notification indicated the results of the single recipient. In multiaddress delivery, a notification of accumulated transmission results was sent (see Fig. 7). Such notifications as seen in Fig. 7 represented either the success or failure of transmission. Selection between delayed delivery and multiaddress delivery was provided through the facility request command (FRC) signal, thus providing a selection means between how a notification would be received, dependent on the type of fax delivery requested.

Regarding claims 22-27, 32-37, and 42-47, Teramura disclosed the invention as detailed above. Teramura further stated the possibility of generating notifications automatically or upon request by the originating sender at any time (see page 1946-1947, section 4).

Regarding claims 48-54, Teramura disclosed the invention as detailed above, and further disclosed sending a notification indicating a failed delivery after a number of timed attempts (see page 1946, section 4). Such a notification could also indicate successful transmission (see Fig. 7). As detailed above, the ability to deliver notifications concerning a single recipient or a plurality of recipients, and the ability to

transmit notifications automatically or by the request from the originating sender was disclosed.

Teramura did not disclose the use of LAN, or a notification means for notifying recipients of data reception.

Marshall disclosed the invention as detailed above. Marshall disclosed the well-known use of computers for sending and receiving fax data (see column 1, lines 20-36), as well as the well-known use of LAN between networked computer systems (see column 1, lines 37-46). Marshall disclosed a store and forward capability much like the one disclosed by Teramura. Marshall also disclosed the ability to notify intended recipients of received fax messages (see Abstract).

Teramura disclosed a fax system with store and forward capabilities. Teramura taught the use of a PSDN which connected a plurality of fax machines (see Fig. 1), but did not mention the use of LAN. Marshall disclosed a fax server system similar to the system disclosed by Teramura, using a SAFF to provide service to user terminals on a local network (see column 2, lines 38-42). Marshall disclosed the known use of computers as fax machines and the use of LAN between such computers (see column 1, lines 20-46). Therefore, it would have been obvious to modify the invention disclosed by Teramura to use computer terminals in the place of recipient fax machines and LAN between the computer terminals as both were well known elements in fax systems. Furthermore, as the SAFF disclosed by Marshall had the ability to notify recipient computers over the LAN of fax reception, it would have been obvious to include such a

feature in the invention of Teramura if incorporating a LAN similar to the one disclosed by Marshall, which already included such a notification feature.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hashimoto et al. (U.S. Pat. No. 5,644,404) disclosed a fax server system capable of notifying the sender of the fax of a successful delivery.

Ishii (U.S. Pat. No. 5,559,721) disclosed a system capable of transmitting fax data between a central computer and a "multimedia mail apparatus" coupled to a communication network.

Minamizawa et al. (U.S. Pat. No. 5,699,171) disclosed a telephone/fax machine accessed by more than one call number with selectable modes of operation.

Ogata (U.S. Pat. No. 5,283,665) disclosed a fax apparatus able to confirm delivery to the originating sender.

Matsueda et al. (U.S. Pat. No. 6,301,016 B1) disclosed a fax system connected to a LAN, capable of designating one recipient and notifying the originating sender of a successful delivery.

Ishii (U.S. Pat. No. 5,339,156) disclosed a fax mail system capable of receiving and transmitting fax data to and from a plurality of terminals.

Chung et al. ("Implementation of a Fax Distribution System in the Local Area Networks of PCs", Global Telecommunications Conference, 1992. Conference Record.,

GLOBECOM '92. 'Communication for Global Users', IEEE , 6-9 Dec. 1992.) disclosed a fax distribution system comprising a PSTN and a fax server connected to a LAN.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph R Maniwang whose telephone number is (703) 305-3179. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Wiley can be reached on (703) 308-5221. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-5484.

JM

MARC D. THOMPSON  
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PRIMARY EXAMINER